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Title: Data entry device recording input in two dimensions

Application Number	00807998	Application Date	2000.04.28
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Patent Agency Code	11219	Patent Agent	yu mang

Abstract

A data entry device (10) having an integral input element (12) capable of recording input movement in two dimensions (including Chinese strokes and characters, Roman letters and Arabic numerals) and delivering resultant signals to a processor (11). The processor (11) is programmed for identifying a handwriting input represented by the signals.

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Claim

1. 一种数据输入装置，包括：

The switch element array, the input that can write down between four at least discrete points arranging according to the two dimension is moved, and provides a series of discrete inputs;

At least one the discrete input series of writing the input tag and being used for respectively writing the input tag is wherein preserved to the memory;

The processor that links to each other with above-mentioned switch element array and memory, through the programming in order utilizing a series of discrete input of receiving from the switch element array to search for the handwriting input tag, thereby recognise the input of writing by this serial variance input representative.

2. data input device according to claim 1 characterized in, above-mentioned array is the switch arrays by the finger manipulation.

3. data input device according to claim 1 characterized in, above-mentioned array contains the joystick unit.

4. data input device according to claim 3 characterized in, above-mentioned joystick unit contains the push switch.

5. data input device according to claim 4 characterized in, is activated and joystick unit when moving in a horizontal plane at above-mentioned push switch, generates a series of discrete inputs.

6. data input device according to claim 1 characterized in, above-mentioned handwriting input tag is preserved by the tabulation as the alpha character tag.

7. data input device according to claim 1 characterized in, above-mentioned handwriting input tag is preserved by the tabulation as strokes of a Chinese character tag.

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Description

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Claim

8.如权利要求7所述的数据输入装置，其特征在于，上述存储器还含有由图像字符标识符组成的列表，并且上述处理器可编程为利用从上述笔画标识符列表获取的至少一个手写输入标识符对此图像字符标识符列表进行索引。

9. the data input device of claim 8 characterized in, the tabulation of above-mentioned image character tag is the tabulation of comprising phonetics character tag.

10. data input device includes:

The two dimension input unit includes:

The joystick unit;

The arrangement is at the ascending analogue unit in the first and second dimension sides, and they can provide moves the signal with the joystick unit in the simulation that the ascending dissolvent in the first and second dimension sides of a horizontal plane corresponds;

The A-D converter that links to each other with above-mentioned input unit; And

With the processor that above-mentioned A-D converter coupling is connected, the digital input that comes from above-mentioned input unit is used for receiving, this processor contains some instructions, these instructions make the processor carry out the preliminary treatment operation, the digital input segmentation of using self-load device in the future is the strokes of a Chinese character, and carries out the discernment operation in order recognising the handwriting input strokes of a Chinese character, and from these strokes of a Chinese character formation character sign.

11. the data input device of claim 10 characterized in, it still contain with the integrated push switch together of joystick unit, and can make the response to pressing down of receiving of joystick unit.

12. the data input device of claim 11 characterized in, above-mentioned processor can receive when pressing down at above-mentioned push switch, and the action of response push switch is with the digital input segmentation of receiving for the strokes of a Chinese character.

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Description

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